

## Physics 341 Electronics Laboratory 1: I-V Curves

AUTHORIZED RESOURCES: Any USAFA faculty member, your lab partner(s), any textbook or other published material, your data taken in lab\*, any computer software.

\* At your instructor's discretion, you may be allowed to use data from another source; however, such use must be approved in advance of the assignment due date.

*All material in your notebook is graded work! The neatness and organization of your notebook counts toward your grade.*

### **Pre-lab**

- There is no pre-lab exercise for this laboratory other than the required reading.

### **In the laboratory**

- Perform the tasks described in the following sections of your lab manual, recording your results in your lab notebook:

Section 1-1, Ohm's Law, pp. 24-26

Section 1-3, The Diode, pp. 27-28

Section 1-4, Voltage Divider (through paragraph 2), p. 28

- Perform the additional following tasks, again using your lab notebook as your record:

No additional tasks for this lab.

### **For analysis**

- In your laboratory notebook, answer all of the questions raised in the sections of the lab manual you used.
- Answer the following additional questions in your laboratory notebook:

No additional questions for this lab.